

SAFETY DATA SHEET

In accordance with ISO 11014: 2009

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product code	3-CJ1-001
	3-CJ2-001
Product name	Cry j 1, Purified Japanese Cedar Pollen Allergen Cry j 2, Purified Japanese Cedar Pollen Allergen

Manufacture/supplier

Manufacture/supplier	Institute of Tokyo Environmental Allergy, ITEA Inc.
Department in Charge	Quality Assurance Sec.
Address	1-33-18 Hakusan Bunkyo-ku Tokyo, 113-0001 Japan
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Recommended use and restriction on use

Recommended use	Research reagent
Restrictions on use	This product should not be used for applications other than those recommended.

Section 2: HAZARDS IDENTIFICATION

Important hazards
GHS classification

Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	Not classified

Label Elements

Pictogram	Not classified
Signal word	Not classified
Hazard Statements	Not classified
Precautionary Statements	Not classified

Other hazards

No information

Important symptoms and an outline of an anticipated emergency

No information

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance/Mixture

Mixture

Compositions

Chemical name/ Generic name	CAS number	Concentration (wt %)
Water	7732-18-5	≤ 93.92
Allergen protein (*1)	-	≥ 5.07
Sodium chloride	7647-14-5	≤ 0.73
Sodium phosphate dibasic heptahydrate	7782-85-6	≤ 0.24
Potassium dihydrogenphosphate	7778-77-0	≤ 0.02
Potassium chloride	7447-40-7	≤ 0.02

*1 The allergen protein of each product is the following:

3-CJ1-001: Cry j 1, Japanese cedar pollen allergen (CAS number: -)

3-CJ1-002: Cry j 2, Japanese cedar pollen allergen (CAS number: -)

Section 4: FIRST-AID MEASURES

First aid procedures

IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN	If you feel unwell, get medical advice/attention immediately and at rest. Rinse with plenty of water.
IF IN EYES	If abnormality, immediately get medical advice/attention. Immediately rinse cautiously with water for 15 - 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED	Immediately get medical advice/attention. Rinse mouth. Immediately get medical advice/attention.

Anticipated acute effects, anticipated delayed effects and most important symptoms/effects

May cause skin, eyes and respiratory system irritation or cause allergic reaction if contact with or inhaled this product.

Protection of first-aiders

Wear appropriate eyes and skin protective equipment.

Note to an attending physician

No information

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media**Suitable extinguishing media**

In case of fire, use water spray, dry extinguishant, fire foam or carbon dioxide.

Unsuitable extinguishing media

No restrictions on extinguishing media for this product.

Specific hazards arising from the chemical

Take action from windward.
Keep out except responsible personnel.
Move container to a safe area if it can be done without risk.

Protective equipment and precautions for firefighters

Fire fighters should wear appropriate protective equipment and fireproof clothing.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION".

Environmental precautions

Prevent to flowing into drains, sewers, basements or closed areas.

Methods and materials for containment and cleaning up

Absorb into liquid absorbent, etc., and collect in an empty container.

Secondary disaster prevention measures

No information

Section 7: HANDLING AND STORAGE

Handling

Technical measures	Install appropriate equipment and wear suitable protective apparatus described in section "Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION".
Precautions such as local /total ventilation	Handle the product in a well-ventilated area. In case of mist/vapours generation, use local ventilation.
Precautions for safe handling	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Prevention of contact	Avoid direct sunlight, high temperature.

Storage

Technical measures	Store in a biomedical freezer at -20°C or less.
Incompatible materials and mixtures	No information
Conditions for safe storage	Store at -20°C or less.
Packing material	Polypropylene

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational Exposure Limits

Does not contain ingredients for which occupational exposure limits have been established.

Engineering controls

Use eye wash stations, ventilation systems, etc. if necessary.

Personal protective equipment

Respiratory protection	Wear an appropriate protective mask.
Hand protection	Wear protective gloves.
Eye protection	Wear safety glasses .
Skin and body protection	Wear a lab coat.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, form and colour)	Clear and colourless liquid (frozen solution)
Odour	No information
Odour threshold	No information
pH	7.2~7.6
Melting point/ freezing point	No information
Boiling point, initial boiling point and boiling range	No information
Flashpoint	No information
Evaporation rate	No information
Flammability	No information
Upper/lower explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Specific gravity	No information
Solubility	This product is miscible with water.
<i>n</i> -octanol/water partition coefficient	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	No information
Other information	No information

Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal handling condition.
Hazardous reactions	No hazardous reaction expected under normal handling.
Conditions to avoid	Direct sunlight, high temperature
Incompatible materials	No information

Hazardous decomposition products No information

Section 11: TOXICOLOGICAL INFORMATION

Toxicological information for product No information

Toxicological information for ingredients No information

Section 12: ECOLOGICAL INFORMATION

Ecological information for product

Ecotoxicity	No information
Persistence and degradability	No information
Bioaccumulative potential	No information
Mobility in soil	No information
Hazardous to the ozone layer	No information

Ecological information for ingredients No information

Section 13: DISPOSAL CONSIDERATIONS

Remaining product

Dispose of waste in accordance with applicable local, regional and international regulations and standards.

Contaminated containers and packaging

When dispose of empty containers, contents should be removed completely and be recycled or dispose of in compliance with related laws and local regulations.

Section 14: TRANSPORT INFORMATION

International regulation

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Subsidiary risk	Not applicable
Packing group	Not applicable
Marine pollutant	Not applicable
IBC Code	Not applicable

When transporting, confirm no damage to containers. Avoid handling violently or leaking wet. Load to prevent fall or falling down containers and take preventive measures of collapse.

Section 15: REGULATORY INFORMATION

US Federal regulation

TSCA inventory:	Registered	Sodium chloride Potassium dihydrogenphosphate Potassium chloride
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EU regulation

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU level, e.g. not considered as SVHCs or POPs.
(EC) 1272/2008 (Annex VI, Table 3): Not Listed

Section 16: OTHER INFORMATION

Reference

Information of Institute of Tokyo Environmental Allergy, ITEA Inc.
NITE GHS classification results (<http://www.safe.nite.go.jp/ghs/list.html>). (2018)

ACGIH, American Conference of Governmental Industrial Hygienists (2018) TLVs and BEIs.

[Disclaimer]

This SDS has been prepared on the basis of laws, regulations and information available at this time. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.